

ABSTRACT OF THE DISCLOSURE

The present invention discloses a molded article containing high molecular weight α -1,4-glucan and/or its modification, and low molecular weight α -1,4-glucan and/or its modification. The low molecular weight α -1,4-glucan has the degree of polymerization of greater than or equal to 180 and less than 620. And the high molecular weight α -1,4-glucan has the degree of polymerization of greater than or equal to 620 and less than 37000. The high molecular weight α -1,4-glucan may preferably have a molecular weight distribution of not greater than 1.25, and the low molecular weight α -1,4-glucan may preferably have a molecular weight distribution of not greater than 1.25. The present invention also discloses a process for preparing the molded article, wherein the process comprises the step of adding the low molecular weight α -1,4-glucan and/or its modification to a solution comprising the high molecular weight α -1,4-glucan and/or its modification to gel the solution.